Index of Claims

| Applica | tion/Co | ntrol No. |
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Benjamin A. Ailes

Reexamination PARK, DOO SANG

Applicant(s)/Patent under

09/844,821

Art Unit

Examiner

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|-------|--|----------|--------------------|--------------|---------------|----------|------------------------------------|----------|----------|---------------------|--------|-----------------|----------|----------|---------|---|----------|------------|-----------------|----------|--------------|--------------|----------------|----------------------|----------|--------|
| Claim | T                                      | Date     |                    |              |               | CI       | Claim Date                         |          |          |                     |        |                 |          | Cla      |         | . Date                                  |          |            |                 |          | -            |              |                |                      |          |        |
|       | T                                      |          | T                  | T            | ĬП            | П        | $\top$                             | <u> </u> |          | Т                   |        | Ī               |          |          | 1       | $\Box$                                  |          |            | П               | $\neg$   | Τ̈́          | T            | Ť              | П                    |          |        |
| Final | 4/22/07                                |          |                    |              |               |          |                                    | Final    | Original |                     |        |                 |          |          |         |   | Final    | Original   |                 |          |              |              |                |                      |          |        |
|       | 1                                      | _        | +-                 | ╁            | H             | $\dashv$ | $\dashv \dashv$                    |          | 51       | $\vdash$            |        |                 |          |          | +-      | $\forall$                               |          | 101        | $\Box$          | $\dashv$ | +            | +-           | $\vdash$       | H                    | $\neg$   | _      |
| 2     |  |          |                    |              |               |          |                                    |          | 52       |                     |        |                 |          |          |         |   |          | 102        |                 |          |              | Т            |                |                      |          | $\neg$ |
| 3     | Ш                                      |          |                    |              |               |          |                                    |          | 53       |                     |        |                 |          |          |         |   |          | 103        |                 |          | Т            |              |                |                      |          |        |
| 4     | Ш                                      |          |                    | ↓_           | Ш             | _        | Щ                                  |          | 54       |                     |        |                 |          |          | $\perp$ |   |          | 104        |                 |          |              |              |                |                      |          |        |
| 5     | Ш                                      | _        | _                  | _            |               | _        | $\dashv$                           |          | 55       | 1                   |        | $\perp$         | $\perp$  |          | ╀       | Ш                                       | <u> </u> | 105        |                 | _ _      | _            | _            |                | Ш                    |          |        |
| 6     | H                                      |          |                    | ╄            | $\Box$        | _        | $\dashv$                           | <u> </u> | 56       | $\vdash$            | _      |                 | _        | _        | ┼       | $\perp$                                 |          | 106        |                 |          | +            | ↓_           | _              | $\square$            |          |        |
| 8     | HH                                     | -        | +                  | ┿            | $\vdash$      | -        |                                    |          | 57<br>58 |                     |        | ╁┤              | _        | +        | +-      |   | -        | 107        | $\vdash$        |          | +            | +            | ⊢              | $\vdash$             |          |        |
| 9     | H                                      |          | ┿                  | +            | -             | $\dashv$ | $\dashv$                           |          | 59       |                     |        | $\vdash$        | $\dashv$ |          | +       | +                                       |          | 108<br>109 | $\vdash$        |          | +            | +            | ├              |                      | $\dashv$ | _      |
| (মত)  | H                                      |          | +                  | ╁            | $\vdash$      | $\dashv$ | $\dashv$                           | -        | 60       | -                   | +      | Н               | $\dashv$ |          | ╁       | +                                       |          | 110        | -               | $\dashv$ | ╁            | ┿            | -              | Н                    | $\dashv$ |        |
| 1 17  | +++                                    | +        | +                  | +            |               | +        | $\dashv\dashv$                     |          | 61       | $\vdash$            | +      | $\vdash$        | $\dashv$ |          | +       | +                                       |          | 111        | $\vdash$        |          | ╁            | +            | ⊢              | ⊣                    |          | _      |
| 12    | ╁╂┤                                    | +        | ╁                  | +            | H             | $\dashv$ | $\dashv \dashv$                    |          | 62       | ++                  |        | H               | $\dashv$ | +        | +       | +-                                      |          | 112        | $\vdash$        | $\dashv$ | +            | +            |                | $\vdash$             | $\dashv$ |        |
| 13    | H                                      | 十        | +                  | +            | H             | $\dashv$ | $\dashv$                           |          | 63       | $\vdash$            |        | H               | $\dashv$ | -        | +       | $\Box$                                  | _        | 113        |                 |          | +            | +            | $\vdash$       | H                    | $\dashv$ | _      |
| 14    | П                                      | $\neg$   | 1                  |              | П             | $\neg$   | $\neg \neg$                        |          | 64       |                     |        | $\sqcap$        | $\Box$   |          | $\top$  | $\sqcap$                                |          | 114        | $\vdash$        | $\dashv$ | T            | T            |                | $\Box$               | $\neg$   |        |
| 15    |  |          | I                  | <u> </u>     |               |          |                                    |          | 65       |                     |        |                 |          |          | T       |   |          | 115        |                 | $\neg$   | T            | T            |                | 口                    | $\neg$   |        |
| 16    | Ш                                      | $\Box$   |                    |              |               |          |                                    |          | 66       |                     |        |                 |          |          |         |   |          | 116        |                 |          |              |              |                | П                    |          |        |
| 17    | Ш                                      |          |                    |              |               |          |                                    |          | 67       |                     |        |                 |          |          |         |   |          | 117        |                 |          |              |              |                |                      |          |        |
| 18    |  |          |                    |              | Ш             |          |                                    |          | 68       |                     |        |                 |          |          |         |   |          | 118        |                 |          |              |              |                |                      |          |        |
| (19)  | Ш                                      | _        |                    | ↓_           |               | _        |                                    |          | 69       | $\sqcup$            |        |                 | $\perp$  |          | ↓_      |   |          | 119        |                 |          | 1            | _            |                | Ш                    |          | _      |
| 20    | $\sqcup$                               |          |                    | 1_           |               | _        |                                    |          | 70       | $\perp$             | Щ.     | Ш               | $\perp$  | $\perp$  | $\perp$ | Ш                                       |          | 120        |                 | _        | 4            | 丄            | _              | Ш                    |          |        |
| 21    | $  \downarrow \downarrow \downarrow  $ | -        | +-                 | ↓_           | $\sqcup$      | $\dashv$ |                                    |          | 71       | $\vdash$            |        | ļ               | _        |          | 4_      | Ш                                       | <b> </b> | 121        |                 |          |              | ╄-           | _              | Ш                    |          |        |
| 22    | 1                                      | ~        |                    | ┼            | $\vdash$      | -+       | $\dashv\dashv$                     |          | 72       | $\vdash$            | -      |                 | $\dashv$ | 4        | +       | $\vdash$                                | <b> </b> | 122        | $\vdash$        |          | +-           | ┼            | ┝              | $\sqcup$             |          |        |
| 23    | ╁                                      | -        | +                  | +            |               | $\dashv$ | $\dashv\dashv$                     |          | 73<br>74 | ⊢⊢                  |        | $\vdash$        | $\dashv$ | +        | +       | +                                       | $\vdash$ | 123<br>124 | $\vdash$        | -        | +-           | ┼            | ┢              | ${oldsymbol{arphi}}$ | $\dashv$ |        |
| 25    | $\vdash$                               | -        | +-                 | +            | $\vdash$      | $\dashv$ | $\dashv$                           | -        | 75       | <del>   </del>      |        | Н               | $\dashv$ | +        | +-      | $\vdash$                                |          | 125        | $\vdash$        |          | ╁            | ╁            | ⊢              | $\vdash$             | $\dashv$ |        |
| 26    | $\vdash$                               | -        | +                  | +            | $\vdash$      | $\dashv$ | $\dashv \dashv$                    | <u> </u> | 76       | -                   | -      | $\vdash$        | -        |          | +       | H                                       | -        | 126        | $\vdash$        |          | ╁            | ╁            | ⊢              | $\vdash$             |          |        |
| 27    | $\vdash$                               | $\dashv$ | ┰                  | +            |               | $\dashv$ | $\dashv$                           |          | 77       | 1-                  | +-     | $\vdash$        | _        | +        | ╁       | $\vdash$                                | -        | 127        | $\vdash$        | $\dashv$ | ╁            | ╁            | -              | $\vdash$             | $\dashv$ |        |
| 28    | H                                      |          | $\top$             | $t^-$        |               | $\dashv$ | $\dashv \dashv$                    | -        | 78       |                     | +      | H               | $\dashv$ | +        | +-      | $\vdash$                                |          | 128        | $\vdash$        | -        | +            | ╁╌           | ┢              | H                    | $\dashv$ |        |
| 29    | $\Box$                                 |          | 1                  | 1            | П             | $\top$   | $\dashv \exists $                  |          | 79       |                     | 1      | H               |          |          | 1       | Ħ                                       |          | 129        |                 | $\neg$   | 十            | T            |                | П                    | $\neg$   | _      |
| 30    |  | 一        |                    |              |               | 寸        | $\Box$                             |          | 80       |                     |        | П               |          | •        |         | П                                       |          | 130        |                 |          | $\top$       | 十            |                | П                    | $\neg$   | _      |
| 31    |  |          |                    |              |               |          |                                    |          | 81       |                     |        |                 |          |          | Τ       |   |          | 131        |                 |          |              | T            |                | П                    |          | _      |
| 32    |  |          |                    |              |               |          |                                    |          | 82       |                     |        |                 |          |          |         |   |          | 132        |                 |          | $oxed{\Box}$ |              |                |                      |          | _      |
| 33    | Ш                                      |          | $\perp$            | _            | Ш             |          | $\perp \! \! \perp \! \! \perp$    |          | 83       | Ш                   |        | П               |          |          |         | $\sqcup$                                |          | 133        |                 |          | $\perp$      | L            | 匚              |                      |          | _      |
| 34    | $\sqcup$                               | _        | 4-                 | <del> </del> | $\sqcup$      | _        | $\perp \! \! \perp \! \! \! \perp$ |          | 84       | $\vdash \downarrow$ |        | Ш               | $\sqcup$ | $\perp$  | _       | Щ                                       |          | 134        | $\sqcup$        | _ _      | 1            | $\perp$      | $\vdash$       | Ш                    | _        |        |
| 35    | $\vdash \vdash$                        |          | +                  | ┼            |               |          |                                    | -        | 85       | -                   | +      | $\vdash$        | _        | _        | +       |   |          | 135        |                 |          | $\bot$       | $\downarrow$ | <del> </del> _ | $\sqcup$             | $\dashv$ | _      |
| 36    | $\vdash$                               | -        | +                  | ┼            |               | -        |                                    | -        | 86       | $\vdash$            | +      | H               | $\dashv$ | +        | +       | -                                       | -        | 136        | $\mid - \mid$   | +        | +            | ╁            | <del> </del>   | $\vdash$             | $\dashv$ | _      |
| 37    | $\vdash$                               | -+       | +                  | +-           | $\vdash$      | -+       | $\dashv$                           |          | 87<br>88 |                     |        | ╁┤              | $\dashv$ | +        | +       | $\vdash$                                | -        | 137        | $\vdash \vdash$ |          | +            | -            | $\vdash$       | $\vdash$             |          |        |
| 39    | ╁┤                                     | +        | +                  | +            | $\mid - \mid$ | -+       | +                                  | <u> </u> | 89       | $\vdash$            | +      | ╁               | $\vdash$ | +        | +-      | +                                       | $\vdash$ | 138<br>139 | $\vdash$        | +        | +            | +            | $\vdash$       | $\vdash$             |          |        |
| 40    | ╁                                      | $\dashv$ | +                  | +-           |               | -+       | $\dashv$                           | -        | 90       | $\vdash$            | -      | $\vdash$        | $\dashv$ | +        | +       | +                                       | -        | 140        | $\vdash \vdash$ | $\dashv$ | +            | +            | -              | $\vdash$             |          | _      |
| 41    | $\vdash$                               | $\dashv$ | +                  | +            | $\forall$     | $\dashv$ |                                    | 1        | 91       | <del>   </del>      | +      | H               | $\vdash$ | $\dashv$ | +-      | ┼┤                                      | $\vdash$ | 141        | $\vdash \vdash$ |          | +            | +            | $\vdash$       | $\vdash$             | $\dashv$ |        |
| 42    | $\vdash$                               | _        | +                  | T            | $\vdash$      | $\dashv$ | $\dashv$                           | <u> </u> | 92       | $\vdash$            | +      | $\vdash \vdash$ | $\dashv$ | +        | +       | ++                                      | 1        | 142        | $\vdash$        |          | +            | +            | t              | H                    |          | _      |
| 43    | $\Box$                                 | $\top$   | $\top$             | 1            | $\Box$        | $\dashv$ | $\neg \vdash \neg$                 |          | 93       |                     | $\top$ | T               | $\Box$   | $\top$   | $\top$  |   |          | 143        | $\dashv$        | $\dashv$ | 十            | T            | t              | $\vdash$             | $\dashv$ | _      |
| 44    |  |          |                    |              |               | $\neg$   |                                    |          | 94       | $\Box$              |        | П               | Ħ        | $\neg$   | $\top$  |   |          | 144        | $\Box$          |          | $\top$       | †            |                | $\sqcap$             | $\neg$   | _      |
| 45    |  |          |                    |              |               |          |                                    |          | 95       |                     |        |                 |          |          | I       |   |          | 145        |                 |          | $\perp$      | İ            |                |                      |          | _      |
| 46    |  |          | $oldsymbol{\perp}$ |              |               |          |                                    |          | 96       |                     |        |                 |          |          | I       |   |          | 146        |                 |          | $\perp$      |              |                |                      |          | _      |
| 47    |  |          | $\perp$            | L            |               | $\Box$   |                                    |          | 97       |                     |        |                 |          |          |         |   |          | 147        |                 |          |              |              |                |                      |          | _      |
| 48    |  | _ _      | <u> </u>           | <u> </u>     |               | _        | $\perp \!\!\! \perp \!\!\! \perp$  | <u> </u> | 98       |                     | _      | Ш               |          | $\perp$  | $\perp$ | $\sqcup$                                |          | 148        |                 | $\perp$  | $\perp$      | $\bot$       | $\perp$        |                      |          |        |
| 49    |  | _        | -                  | ╄-           |               | 4        | $\dashv$                           | <u> </u> | 99       | $\vdash \vdash$     |        | Ш               | $\sqcup$ | $\perp$  | $\bot$  | $\vdash$                                |          | 149        |                 | <u> </u> | $\bot$       | 1_           | $\vdash$       | Ш                    |          |        |
| 50    |  | L_       |                    | Т            | Lİ            | l.       | L                                  | L        | 100      | $\perp \perp$       |        | Ш               |          |          | 1_      | لــــــــــــــــــــــــــــــــــــــ | L        | 150        |                 | L        |              | <u> </u>     | Щ              | Ш                    | $\Box$   |        |